Detail E5
SEDIMENT CONTROL BERM
(N. T. S., TYP.)

Notes

Locate Sediment Control Berms as indicated on plans or as directed by the Engineer. Surface materials i.e. rock, soil, branches, leaves, slash and chips shall be scraped from the existing grade as needed to construct the erosion berm prior to placement of roadway embankment. The size of rock shall be no more than 4" and slash shall be no more than 2" in diameter.

When Called For On Plans,
In Urban Situations, Or Where
Surface Material Are Not
Available, Use 18" Dia. Wattles.
They Shall Be Selected, Installed,
And Maintained In Accordance
With Manufacturers' Specification
And Good Engineering Practices.
Refer To Sediment Wattle Detail E4.

Roadway Embankment

Approved fill line

20'-0"-25'-0"

5'-0"

Existing Ground

Scrape Surface
for Sediment Control
Berm

Toe Of Slope

Sediment Control Berm
(Compacted Surface Materials)

1'-0"

150mm (6")

Varies

ELEVATION

25—75mm rock
(1"—3")

Varies

3 *
1

A

Maximum distance equals the
distance such that points A&B
are of equal elevation

Flow

B

3 *
1

SECTION

* Slope shall be 1V:6H if check
dam is within the clear zone.

ROCK CHECK DAM

not to scale

Detail E1

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADSIDE DEVELOPMENT SECTION
EROSION & SEDIMENT CONTROL DETAILS

NOTES

Sediment logs shall be located as indicated in plans or as directed by the Engineer. They shall be selected, installed, and maintained with manufacturers' specifications and good engineering practices.

Lay sediment log across prepared channel. Trenching or burial of Sediment Logs is not required. The intimate contact between the bottom of the log and the ground is mandatory. The logs shall be installed in the swale or channel bottom and shall continue up the side slopes 2'-0" above the high flow line, all perpendicular to the flow of water.

Stake with 1" x 1" x 46" min. hardwood stakes on 2 feet centers. The stake shall be placed through the downstream side only 2" into the log. It is only necessary for the stakes to grab one or two inches of the netting. Do not drive the stakes through the center of the log. The stakes must be driven into the ground 22". Center stakes shall be placed in an 'X' pattern.

Make sure no gaps exist between the soil and the sediment logs. Repair any rills or gullies promptly. In rock conditions the Engineer will evaluate the placement of sediment logs.

Slopes steeper than 4:1 shall apply rock riprap for channel/ditch lining or check dams when suitable.

SEDIMENT LOG STORM DRAIN PROTECTION
SECTIONAL VIEW 3-B (N. T. S., Typ.)

NOTES

Sediment log and stakes to be removed once construction activities are complete. Contractor to dispose of sediment logs and dispose of trapped sediment material and to fill shallow trench created by sediment log.

SEDIMENT LOG AND DITCH / CHANNEL SECTIONAL ELEVATION
(N. T. S., Typ.)

SECTION A-A
(N. T. S., Typ.)

TYPICAL OVERLAP
(N. T. S., Typ.)

Typical Overlap applies to the situation where ditch /channel is wider than the length of one Sediment Log.